	Application No.	Applicant(s)	
	09/534,956	SHYR, JIN-SHENG	
Notice of Allowability	Examiner	Art Unit	
	Chuck Kendall	2122	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in S) or other appropriate comministic comm	n this application. If not included unication will be mailed in due course. THIS	⁄e
1. This communication is responsive to <u>08/04/2004</u> .	,	the state of the s	
2. The allowed claim(s) is/are <u>1-33</u> .	٠.		
3. The drawings filed on 24 March 2000 are accepted by the	e Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the:</li> <li>1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority described international Bureau (PCT Rule 17.2(a)).</li> </ul>	ve been received. ve been received in Applicatio	on No	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submiNFORMAL PATENT APPLICATION (PTO-152) which gives			
6. CORRECTED DRAWINGS ( as "replacement sheets") mu  (a) including changes required by the Notice of Draftspe  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examine Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	rson's Patent Drawing Review  r's Amendment / Comment or  1.84(c)) should be written on to	in the Office action of ne drawings in the front (not the back) of	
7. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT			
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB. Paper No./Mail Date	6. ☐ Interview S Paper No. /08), 7. ☐ Examiner's	formal Patent Application (PTO-152)  ummary (PTO-413),  'Mail Date  Amendment/Comment  Statement of Reasons for Allowance	
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Best Available Co	DDY TU	AN DAM PATENT EXAMINER	

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## Examiner's Reasons for Allowance

1. Examiner has considered Applicant's response dated 08/04/2004 and after further review of Applicant's comments, claims 1 – 33 are in condition for allowance.

The following is an Examiner's statement of reasons for allowance, as Applicant pointed out under remarks section on page 12 and 13, of Applicant's response dated 08/04/2004.

The prior art of record does not teach or fairly suggest at least:

"...processing each function call identified within the software program into both a hard implementation for hard execution in said reconfigurable logic partitions wherein a set of configuration bits associated with said each function call is generated and into a soft implementation for soft execution in said embedded processor", as best illustrated by figure 3 and in such a manner as recited in claim 1.

"...analyzing a computer software program to identify subset(s) of the computer software program that could be implemented by (re)configuring reconfigurable logic to perform the identified subsets in hardware in a dynamically reconfigurable logic device; and selectively (re)configuring the reconfigurable logic within the reconfigurable logic device during run-time of the software program to implement one or more of the identified subset(s) of the computer software program" as best illustrated by figure 3 and in such a manner as recited in claim 21.

"...one or more reconfigurable logic element(s), communicatively coupled with at least a subset off the one or more embedded controllers, the logic device to analyze a software program to schedule function calls, wherein select function calls are selected for hard implementation

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through (re)configuration of at least a subset of the one or more reconfigurable logic element(s) while other function call(s) are implemented in software by one or more of the embedded controller(s), and wherein the determination of whether a function call is implemented in hardware or software is made at runtime of the software program", as best illustrated by figure 3 and in such a manner as recited in claim 28.

Therefore, all claims, i.e. claims 1 –33 are in condition for allowance. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Correspondence Information

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-2723698. The examiner can normally be reached on 10:00 am - 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-2723695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-

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CK.

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